

Applicants: Elena Feinstein and Orna Mor
U.S. Serial No.: 09/825,682
Filed: April 4, 2001
Page 2

In the specification:

Please replace Table III on pages 89-91 with Table III as follows:

TABLE III

SEQ ID NO. 1
>40_TCC_13F11_M13F.fa TIME: Sun Sep 10 11:42:06 2000 trimming
information: raw_sequence:582 (high quality:29-320) sequence:97-252
[length:156]
TCCGTCTCATTGAGGGTCTGAGGAAGTTGATCTCATCATTCA
GGGCATC
CACCTTGGCCTCCAGCTCCACCTTGCTCATGTAGGCAGC
ATCCACATCCT
TCTTCAGCACCACAAACTCATTCTCAGCAGCTGTGCGGCG
GTTAATTCA
TCTTCG

SEQ ID NO. 2
B2
>04_TCC_94G3_M13F.TXT.fa ,constant: 15, poly A: yes
AAGGCTTATTCCATCCGGACCGCATCCGCCAGTCGCAGGAGTGC
CCCGACTGAGCCGCC
TCCCACCACTCCACTCCTCCAGCCACCACCCACAAT
ACAAGAAGATTCCCACCCCTGCC
TCCCAGCCTGGTCCCAAGACAGTGAGACAGTCTGGAAAGTGA
TGTCA
GAGAATAGCTTCCA
ATAAAGCAGCCTCATTCTGAGGCCTGAGTGAAAAAAA

SEQ ID NO. 3
>20_TCC_60H4_M13F.TXT.fa ,constant: -1, poly A: no
CANTATATAACNAATTGGAGCTCAATNGCNC
CGGNC
GCGTCTGGTAGAGGGAT
GNGAAGGAAGGGACCC
TTACCCCCGGCT
CTTCTCCTGACCTGCC
AATAAAATTATGGT
CCAAGGNA
AAAANA

SEQ ID NO. 4
>26_TCC_44C1_M13F.TXT.fa ,constant: -1, poly A: no
ACTCATTGA
ACTTGAGCTCCGANTCCTGATT
CN
CATCNAAGCTCTNNATCTGCTCATCAN
GAGANCC
CACATCCTTGAGCAGATGGNG
CAN
CTGCTGNT
TAACC
CAN
CT
CTNN
GA
ACTCGN
AGANNN
TAAGG
CT
ATC
CTT
CCGG
NC
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CCT
TG
CAA
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SEQ ID NO. 5
>29_TCC_48G1_M13F.TXT.fa ,constant: -1, poly A: no
ACTTTGAGAAGGCAGGACTCAAATGATGCC
CTGGAGAT
GTC
CACAG
ATT
CCTGG
CAG
AG
GCC
ATGGT
CCC
CAG
G
CT
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C
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Applicants: Elena Feinstein and Orna Mor
U.S. Serial No.: 09/825,682
Filed: April 4, 2001
Page 3

SEQ ID NO. 6

>31_TCC_65B9_M13F.TXT.fa ,constant: -1, poly A: yes
GACTAGAACCCACCCCTTCAGCCTTGTCAATCTCACAGNCCANCCAT
CCCCTGAGCACACTAACCATCTCATGCAGGCCACCTGCCAATAGTAATAAAGCAATGT
CACTTGTAAAACATGAAAAAAA

SEQ ID NO. 7

>47_TCC_91B11_M13F.TXT.fa ,constant: -1, poly A: yes
CTAGTATACACTCCNCATAGNATACGTTGCAGCTCAATTGCGCGCGNCGGACGACGA
CCTGCAGGGTGTCTCTGGTAGAGGGATGGGAAGGAAGGGACCCCTAACCCCGGCTCT
TCTCCTGACCTGCCAATAAAATTATGGTCCAAGGAAAAAAA

SEQ ID NO. 8

B2
>10_TCC_53H11_T3
TTTTTNNATNTTATTTGGTATTGGTGTNTTCTTTTCTCTTCCTTCCTTAACT
CAAGACTTGTAGTGGTAAACCTGCCTCACAAAATACATGGAATAACTNTCTTAA
AAAANAAAAAGACAGNCTNACACCATTCTAATNGNANNACTATTTGGCAATGTT
ATGCACCACTCAATTCCCCATTGTGACCCCTATCACTTCATTTGATATCCCTTTNGA
CCCACCATCTCCTCATATGGCATGTCCATAGATTGACAAAGAAAGTTACACTT
NGAATAAAAGATGCAAAGTATGCAAAACATTAATACTGATGCNAAAAAANTANAAAA
A

SEQ ID NO. 9

>07_TCC_57B3_M13F.TXT ,constant: -1, poly A: yes
GGTACCGACGGACCTGCGGAGACTCCTGCCCTGGTGTATAGATGCAAGATATTTATAT
ATATTTGGTTGCAATATTAATACAGACACTAAGTTAGTATAGTATCTGGCAAGCCAAC
TTGTAAATCACCACCTCACTCCTGTACTTACCTAACAGATATAATGGCTGGTTTAA
GAAAAAAA

SEQ ID NO. 10

>11_TCC_25F2_M13F.TXT ,constant: -1, poly A: no
ACCCCTGGGAGAGAAGTTGAAGAAACCACAGCTGATGGCAGAAAACACTCAGACTGCTGCA
ACTTTACAGATGGTCATTGNGTCAGCATAGGAGTGAGATGGGAAGGAAAGCACANTAA
CAAGAAAATTGANAGATGNTAAATTAGTGNNTGGAGTGTGTCATGAACAATGCACCTGT

SEQ ID NO. 11

>25_TCC_50G5_M13F.TXT ,constant: 17, poly A: yes
TAGTGTGGAAGCATAGTGAACACACTGATTAGGTTATGGTTAATGTTACAACAACATT
TTTTAAGAAAACATGTTAGAAATTGGTTCAAGTGACATGTGAAACAAATATCG
ATACTACCATAGTGAGCCATGATTCTAAAAAAA

Applicants: Elena Feinstein and Orna Mor
U.S. Serial No.: 09/825,682
Filed: April 4, 2001
Page 4

SEQ ID NO. 12

>26_TCC_50G6_M13F.TXT ,constant: 17, poly A: yes
TAGTGTGGAAGCATAGTGAACACACTGATTAGTTATGGTTAATGTTACAACAACATT
TTTAAGAAAAACAAGTTAGAAATTGGTCAAGTGACATGTGTGAAAACAATATTGT
ATACTACCATAGTGAGCCATGATTTCTAAAAAAA

SEQ ID NO. 13

>26_TCC_75E3_M13F_B04_032.ab1.TXT ,constant: 16, poly A: yes
AAAGAGGGCGGCAGGGCCTGGAGATCCTCCTGCAGACCAGCCCCGCTGCCTGTGGCG
CCGTCTCCAGGGCCTGCTTCCTCCTGGAAATTGACGAGGGGTGTCTGGCAGAGCTGGC
TCTGAGCCGCCCTCCATCCAAGGCCAGGTTCTCGTTAGCTCCTGTGGCCCCACCCCTGGG
CCCTGGGCTGGAATCAGGAATATTTCAAAGAGTGTAGTCTTTGCTTTGGCAA
ACTCTACTTAATCCAATGGTTTTCTGTACAGTAGATTCCAAATGTAATAAACTT
TAATATAAAAGTAAAAAAA

SEQ ID NO. 14

B2
>30_TCC_76B3_M13F_F04_042.ab1.TXT ,constant: 16, poly A: yes
AAAGTCATCCTCCGTCTACCAGAGCGTGCACTTGTGATCTTAAAGCTTCATCTCCG
GGCTGTGCCCTGGGGTGGAAAGGGCAGGATTCTGCAGCTGCTTGCATTCTCTTCC
TAAATTTCATTGTGTTGATTCTTCCAAATAGGTGTCTTAATTACTTCAGAAT
ATTTCAAAATAGATATATTTAAATCCTTAAAAAAA

SEQ ID NO. 15

>38_TCC_56E11_M13F.TXT ,constant: -1, poly A: yes
CTCTCCAGTTGCACCTGTCCCCACCCCTCCACTCAGCTGCCTGCAGCAAACACTCCACC
CTCCACCTCCATTTCACCAACTACTGCAGCACCTCAGGCCCTGCTATAGAGCCTA
CCTGATGTCAATAAACACAGCTGAAGCAAAAAAAA

SEQ ID NO. 16

>46_TCC_78B11_M13F_F06_058.ab1.TXT ,constant: 16, poly A: yes
AGGAAAGGTGNGNGCTGGAAGCACTGAACCTACCTCATCCTCCTGGTGGGTGGCTACC
CTCGCCACCCAAATTCCATGTCATTAAAGAACAGCTAAATTCAAAAAAAA

SEQ ID NO. 17

>53_TCC_79G2_M13F_E07_054.ab1.TXT ,constant: 16, poly A: no
TGTCCGTCTCACCCATCCCCAAGCCTACTAGAGCAAGAAACCAGTTGTAATATAAAATG
CACTGCCCTACTGTTGGTATGACTACCGTTACCTACTGTTGTCATTGTTATTACAGCTAT
GGCCACTATTATAAGAGCTGTAAACATCAAAAAAAA

SEQ ID NO. 18

>82_TCC_89G3_M13F_B11_092.ab1.TXT ,constant: 16, poly A: yes
CAGGAGACCATCCGCGTCACCAAGCCCTGCACCCCCAAGACCAAAGCCAAAGGCC
AAGAAAGGGAAGGGAAAGGACTAGACGCCAAGCCTGGATGCCAAGGAGCCCCTGGTCA
CATGGGGCCTGGCCCACGCCCTCCCTCCAGGCCAGATGTGACCCACCAGTGCCTT

Applicants: Elena Feinstein and Orna Mor
U.S. Serial No.: 09/825,682
Filed: April 4, 2001
Page 5

CTGTCTGCTCGTTAGCTTAATCAATCATGCCCTGCCTGTCCTCACTCCCCAGCCC
CACCCCTAAGTGCCAAAGTGGGAGGGACAAGGGATTCTGGGAAGCTTGAGCCTCCCC
AAAGCAATGTGAGTCCCAGAGCCCGCTTTGTTCTCCCCACAATTCCATTACTAAGAAA
CACATCAAATAAACTGACTTTCCCCCAAAAAAAA

SEQ ID NO. 19
>35_TCC_21D6_M13F_C05_037.ab1.fa TIME: Wed Aug 9 12:48:31 2000 trimming
information: raw_sequence:889 (high quality:34-340) sequence:95-456
[length:362]
CTTGACGTGGAGAGGAACCTGCAATAACTCATCTATGGAGGCTGCC
GGGGCAATAAGAACAGCTACCGCTCTGAGGAGGCCGCATGCTCCGCTGC
TTCCGCCAGCAGGAGAACCTCCCTGCCCTGGCTCAAAGGTGGTGCT
TCTGGCGGGGCTGTCGTGATGGTGTGATCCTCTGGAGCCTCCA
TGGTCTACCTGATCCGGTGGCACGGAGAACCGAGCGTGCCTGC
ACCGTCTGGAGCTCCGNAGATGACAAGGAGCAGTGGTGAAGAACACATA
TGTCCGTGACGCCCTGCGCCAAGAGGACTGGNGAAAGGGAGGGAGA
CTATGTGTGAGC

SEQ ID NO. 20
>46_TCC_27H5_M13F_F06_058.ab1.fa TIME: Wed Aug 9 12:48:35 2000 trimming
information: raw_sequence:892 (high quality:169-406) sequence:170-287
[length:118]
AAAAAGAGTAAACACTTCAGTTCTCCCTTAGCCCTAAACAAACA
TCTTACAGTCTGGATCTGGATCTACCTATACAGTCCTACATTAGCTTCTA
AAATATTGTCAGGAGGG

Please replace Table IV on pages 92-94 with Table IV as follows:

TABLE IV

SEQ ID NO. 21
>31_TCC_10E8_M13F.fa TIME: Sun Sep 10 11:42:01 2000 trimming information: raw_sequence:549 (high
quality:25-313) sequence:98-313 [length:216]
B3
CCCAAATGGAATGTTGCCCTAAACACCATTTCCCTCCAGGACCACC
TTGGTTCTAGGCACGTGGTTCTGGCAGGGGCTGTCTTAGGTAAAAGG
GTAGTTGTGGAGCTACAGTCTGAAGAACATAGCTTGGCTCAAGTTCAA
TGAGCCATCTTCTCGTTGACTGAAGGTGAGATGTTAT
TTGTGGCATGTGAAC

SEQ ID NO. 22
>09_TCC_101C11_M13F.TXT.fa ,constant: 16, poly A: yes
ACAAAGACTGCTGATAACTATCTGTGATTGATAGGAAATTTTTCTTGATTCTGT
GAGAAATGTAATGCTGACTTTATAAAGCCTGGACTCTACTTATTAAATAATCAATG
TTGCAATGGTAAAAAAA

Applicants: Elena Feinstein and Orna Mor
U.S. Serial No.: 09/825,682
Filed: April 4, 2001
Page 6

SEQ ID NO. 23

>11_TCC_101E11_M13F.TXT.fa ,constant: 15, poly A: yes
GCAATAAAGCTGTCCATTCAATTCAAATACTGGTTTAAGNGTATAGCCACTGATATTCTTCACTGNTAGAAATTCTTCTGTTATTATTCAAGAAAATGTTTAATCATGCTAATAAACTTTTGGAGATGAAAAAAA

SEQ ID NO. 24

>15_TCC_57C3_M13F.TXT.fa ,constant: -1, poly A: no
GGNACCACGTACCTGCTGAATGTCNNCGNNATGNCGNCAGGCCATGCTGTTGCTGATNTTACTNTGAAAATANGGATATCATGATGGGAATGCATGTCATGAGGTCCAGANTCGTTCTACTGTCNATAANCTGNTACTNGCGTTGANAANAAANGATGTCAAAGNCCCCCGTAAAAANGTA

SEQ ID NO. 25

>44_TCC_70E8_M13F.TXT.fa ,constant: 15, poly A: yes
GTCCCAGTCTTCACCAGGTGTCTCTCCTCTTACTCAGGAGGACTTCCCAGGAAAACCATGCCACTAGCAAAAAAAA

SEQ ID NO. 26

>03_TCC_57E11_T7.TXT.fa ,constant: 16, poly A: yes
TGAGTGTCTTCAGGCCAACCTGGTGGAAATGTTGTTCTGAAGATTAAGATTAGGATGGCAATCATGTCCTGATTGTTCTAGTATCAATAAAACTGTATACTTGCTTGAATTCAATGTTAGCAATAATGATGTTAAAAAAA

33

SEQ ID NO. 27

>08_TCC_70E7_M13F_H01_015.ab1.TXT ,constant: -1, poly A: no
GGATCGACGACCTGCTTCCCAGANGCGNNCNNGAGGNCCNCTGTTNNNGNCNNGNANACNNACCCANTNANTNNAGCCTTNTGNAATAAATACACAGGCCACCCATGCCNTGAGCACACTAACACNTGATGCAGGCCAACCTGCCAATAGTAATAAAGCANTGGACGTTTTA

SEQ ID NO. 28

>13_TCC_71E4_M13F_E02_018.ab1.TXT ,constant: -1, poly A: no
GGGCCAAAGCCGNGCATCCAANCCANCAGCAAGGNACAAANGANCNNGGAGAGGANNACCAGCANNTNNCAACCATCAAATGGAGGGCANGCCGGGG

SEQ ID NO. 29

>15_TCC_71H8_M13F_G02_019.ab1.TXT ,constant: -1, poly A: no
GGGCCAAAGCCGNGCATCCAANCCANCAGCANGGNANAANGANGGANANGGATNACCCANGCCTNTATTAACCATCAANTGGANGGCAAGCCCAGGGCATNTATTGATT

SEQ ID NO. 30

>21_TCC_43E2_M13F.TXT ,constant: -1, poly A: no
AGGACCCCTGAANACNACACAGATCTGTGNGAAACAANGGNACNTAGCGTCCCNAAGTGCNCGTNNNGTANNCCNNAGNGNGACCNGNGNCATNT

Applicants: Elena Feinstein and Orna Mor
U.S. Serial No.: 09/825,682
Filed: April 4, 2001
Page 7

SEQ ID NO. 31

>24_TCC_96C7_M13F.TXT ,constant: 16, poly A: yes
ATCCAGAGACCATACTCTGCTAGAGTGCAGGGTGGCAAGCACCCAAGGGTGGCTGACC
AAGACTGCAGAGTCTCCTCCATCTCAGGTCCATTAGCCTCTGGCATTAACTACCAAG
CATCCAGTGGTCCCCAAGGAATCCCTCCTAGCCTCTGACATGAGTCTGCTGGAAAGAG
CATCCAAACAAACAAGTAATAAATAAAACTCAAAAAAAA

SEQ ID NO. 32

>57_TCC_80C9_M13F_A08_056.ab1.TXT ,constant: 17, poly A: yes
CTGCAGGAGTCAGCGTTCAATCTTGACCTGAAAGATGGGAAGGATGTTCTTTACGTAC
CAATTCTTTGTCTTGATATTAAAAAGAAGTACATGTTCATGTAGAGAATTGGAAA
CTGTAGAAGAGAATCAAGAAGAAAAATAACAGCTGTTGTAATCACCTAGCAAAAAAA
AAA

SEQ ID NO. 33

>14_TCC_9B6_M13F_F02_026.ab1.fa TIME: Wed Aug 9 12:48:25 2000 trimming information:
raw_sequence:871 (high quality:73-413) sequence:98-394 [length:297]
CACGCATATGGGCCAGTTCCACATATTGGCAACCAGACCGATCCAG
GACAACACAAAGTATGTTGTTGTTAGAGGGCTGGACATTCACT
CTTGCCAGCCTCAGCTTAATCCAGGAGACAAAGATTATTCCTTATT
TCTCTCTGCATAGGATCTGCAATCAGAACTATTGAACTCTCCATTCA
ACCGCCACTCACACCTATGGAAAAGGGTAATGTATCATCGGCTTAGCAA
CAGGAAATACTATTGTATGAAATGGGACAAAAGGCTTGG

B3

SEQ ID NO. 34

>24_TCC_12F3_M13F_H03_031.ab1.fa TIME: Wed Aug 9 12:48:28 2000 trimming information:
raw_sequence:842 (high quality:82-340) sequence:98-476 [length:379]
CTATGAATAGCTTCTGCTTATGACTTAGGATTAACCTGTAAAAAAC
TATCCTGAACTAAGATATGCAAAACTCATTTCAAGTTATGGAAATGT
GTTTGTGGCATATAGGACTGTGGGTCTGTGTAGTGGAGAGTGTGA
TCCACTATTATAACTGGAATTAAATTACATTCAAAACTACTATATT
CCATCTGCAAATCATTATGTCTCATCTGTTTCTTCGGNTATAT
CTTGGNTTGAATACCAACATTAAATGATGGNATTATCTTTAAA
CTTAAAATTATTAAATACAGCTATGGACCTATAAAATTGATTCTT
ATTATTATTAGACATTACTACTAAAAGG

SEQ ID NO. 35

>26_TCC_13H10_M13F_B04_032.ab1.fa TIME: Wed Aug 9 12:48:29 2000 trimming information:
raw_sequence:874 (high quality:67-356) sequence:99-261 [length:163]
CTAACCCACGATTCTGAGCCCTGAGTATGCCCTGGACATTGATGCTAACAT
GACCATGCTTGGATGTCTCTAGCTGGTCTGGGGATAGCTGGAGCACTTA
CTCAGGTGGCTGGTGAATGACACCTACGAAGGAATGAGTCTAGAGA
GGAGAGAGGAGTG

Applicants: Elena Feinstein and Orna Mor
U.S. Serial No.: 09/825,682
Filed: April 4, 2001
Page 8

SEQ ID NO. 36

>28_TCC_16D12_M13F_D04_041.ab1.fa TIME: Wed Aug 9 12:48:29 2000 trimming information:
raw_sequence:866 (high quality:71-411) sequence:95-602 [length:508]
CAGCTGATGTCATGGTCTGAGAAGAACAGATCACACTTCATCACA
GAAAGAATGCCTGTGATTATCTTCTCCACATCTGAAATTCTTTGACA
CCTGCATGGGCCACTGCCATTCCATGACTGCTGCACCTGCGTTTA
GAGAATGCCTCATAACCCACTGATTCTCATTACAGAGAATGGGAATACG
GAATGAAGAAAGATTCCAGCAGCTTATAGAAGGATAGCAATATTTGGGA
CAGGGAAAATCCTGTACACCTCACCTCTCAGGAGGAGTTCTGAGC
TGGTCTGCTTTCATAGNTGTTCTTCCACTTAAGAACTCATAG
ATTTTCTTACTGTCCTAACCGAAGTCCTAACCTCTGAGGTATCCTCAA
TGAATACTGTTCAAGGCTGAAATAGTTCATTATGTTAATAACCTCTT
TATGTTCTCAGGGAAATGCTAGGTGGTGTACAAAAAGGGCTTTCTT
TNCTTNC

SEQ ID NO. 37

>29_TCC_17A5_M13F_E04_034.ab1.fa TIME: Wed Aug 9 12:48:30 2000 trimming information:
raw_sequence:861 (high quality:83-477) sequence:99-187 [length:89]
CTTCAAAAAGTGTATTGTCAAACATACCTAACCTTCTGCAATAATGCA
AAAGAAAATGGAACATTGACAATTATAAATAGTAATAGTG

SEQ ID NO. 38

B3
>54_TCC_30E5_M13F_F07_062.ab1.fa TIME: Wed Aug 9 12:48:37 2000 trimming information:
raw_sequence:836 (high quality:65-394) sequence:90-235 [length:146]
CAATTGTTAGTATAGTATCAAATTCTATATAGATTATACCTCAG
TGGGGAAAATAACTGATTCCAATGACATTCTTGTTCATCTGTGA
TAGTCATGGATGCTTTATTTCCTGGGTGCTGAAATTGAGCTG

SEQ ID NO. 39

>59_TCC_34D5_M13F_C08_065.ab1.fa TIME: Wed Aug 9 12:48:39 2000 trimming information:
raw_sequence:875 (high quality:63-434) sequence:96-244 [length:149]
CCTGCCAAAATCCTACCACAGGATAACATTACAAGCAAAAAATTACATG
TTCCAAAGTCTACCACACTCAAGAAGTTACTAAGAACACTTGCAGAATAA
AAGTCACCATTAGAAATGCAAACCCACTTCAACCTTGACAGTCC

SEQ ID NO. 40

>72_TCC_37E11_M13F_H09_079.ab1.fa TIME: Wed Aug 9 12:48:43 2000 trimming information:
raw_sequence:899 (high quality:35-432) sequence:97-444 [length:348]
CATTAGTGACATTTAAAAGCAGTCAGATTCTATAAATGGCAAGTAA
GCCTGAAGTGAGGATACTGCAATTCTGGAGAAAAGAACAGCAGCTTT
AAGTGTGCAATTCTATTGGGGGCAGGAACTGTCATTCTGCAATTAGTCT
ACAATTCTGAACTGATGTCAGCACCCGAGTGGCTCTGAATTAAAGTCT
GGGACGACATCTTATTACATGAATCTTAAACAATTCTGTGAGCA
AAGTTGTAGCTGGATTATTGTCTGTCTTATAGCAAGTTCCAGTAA
ACCACAAGTATGGCAAAGCTTATCCAATTATGCTGNAGCAGTCAG--

Applicants: Elena Feinstein and Orna Mor
U.S. Serial No.: 09/825,682
Filed: April 4, 2001
Page 9

⁹⁷
Please replace Table 6 on pages ~~91~~-100 with Table 6 as follows:

Table 6 Polynucleotides corresponding to the Genes described in Table 5.

SEQ ID NO. 41

>17_TCC_70E7_1_M13F.fa
GGTAGACGTACCTGCGTCCCAGACTTGACCAGGTGGATCTCCTGTTTAC
TCACGAGGACTTCCCAGGAAAACCATGCCACTAGCAAAATAATATAAAC
AAAGGA

SEQ ID NO. 42

>17_TCC_70E7_1_M13R.fa
TTTTTTTTTTTTGGCTAGAGGCATGGATATCCTGGGAAAGCTCTCC
TGAGTAAAGACGAGAGACACCTGGTGAAGACTGGAACGCATGTACGTCT
ACC

SEQ ID NO. 43

BN
>contig_TCC_101E11_RF.fa
GGTCGACGTACCTGCGCAATAAGCTGTCCATTCAATTCAAATACTGGT
TTAAGGTATGCCACTGATATTCTTCATGTTAGAAATTCTTCTGTT
ATTATTCAAGAAAATGTTTAATCATGCTAATAACTTTGGAGATG
AAAAAAAAAAAAAAA

SEQ ID NO. 44

>contig_TCC_102C5_RF.fa
GCTGGTTGGGGAATTGGAGGCTCTAGGAGGTGGCACGGTCACGCCAA
GATGGCTGTGTCACAGAGGAGCTGGAGGCCACGGTCAGGAAGTCCTGG
GGAGACTGAAGAGCCACCACTGGTACATGGGACACTGTTGCC
TTCATTGTTTCCCTCACCTCATGGGCACCGTGCTGCTCCTGCTGCT
GGTCGTCGCCACTGCTGCTGCAAGCTCCCCGGCCCCGAGGGAAA
GCCAGGAAGGAAAGACCAAGGGAGTGGATAACTGGCCCTGGAACCC
TGACCCCTGTGTCTCTGCCGGCAGTAACAAAGCCTCTGTCTGCC
AGAAAAAAA

SEQ ID NO. 45

>contig_TCC_21G7_RF.fa
CTAAATCTAGGTATTCTGGCTGAGTGTATCTGGGTGGGCCAGCTAAAAT
AAACCTCATTGAACTCCAGCCCCAACCCAGAGAAACATCCAGAAGAGCCT
TGAATTAGTGATCCAAAACCCAGGGGGAAAGGCAGACATTCTCACCCCCAG
CACCCCTCACCTCACCTCAACTCCTACTCTCGTCTATAATCACTG
CTCTCTCTCCCCAACCCACTATTGAACAGGAGCCTTGTCAACCAGGT
CCAAGCAATTCCCTAACGGTATCACAAACAATGGTGGATGCAATTACCT
TACTCAGTAACCACGAGGCTCACATCCCTAACGGTGGATGCAATTACCT
TCAGGTGCCCTCCCAAGGGGCTGCCTGCATGAAGATGCCTTGGAAAGTAGC
CCCTTCACAATCACAGGAATTAAACCCCTGGTGGAGGGCCTCACT
TTAAGCAATCCCAGTAGTAAACATTGGATAAACTAAAGGCTTCTTAA
TTTTTTTTCTCTCGTAAAGGATTCAAAGCAGGCACAGTGGT

Applicants: Elena Feinstein and Orna Mor
U.S. Serial No.: 09/825,682
Filed: April 4, 2001
Page 10

SEQ ID NO. 46

>contig_TCC_25F2_RF.fa
CCCTGGGAGAGAAGTTGAAGAAACCACAGCTGATGGCAGAAAAACTCAG
ACTGTCTGCAACTTACAGATGGCATTGGTCAGCATCAGGAGTGGGA
TGGGAAGGAAAGCACAAATAACAAGAAATTGAAAGATGGGAAATTAGTGG
TGGAGTGTGTCATGAACAATGTCACCTG

SEQ ID NO. 47

>contig_TCC_34A5_RF.fa
CATGAGCAGGCTCAGCCTAGGGAAATAATTGCCAACAAACACTTTGGGA
AGCCTGGGACCATGGCTCTGCCAGGAATCTGTGACATCTCCAGGGCATCA
TTGAGTCCTGCCTCTCAAAG

SEQ ID NO. 48

b4
>contig_TCC_36B5_RF.fa
CTCTTCTTATGCTAATATGCTCTGGCTGGAGAAATGAAATCCTCAAGCC
ATCAGGATTGCTATTTAAGTGGCTTGACAACACTGGCCACCAAGAACTT
GAACCTCACCTTTAGGATTGAGCTGTTCTGGAACACATTGCTGCACTT
TGGAAAGTCAAAATCAAGTGCAGTGGCGCCCTTCCATAGAGAATTGCG
CCAGCTTGCTTTAAAAGATGTCTGTTTTATATACACATAATCAATA
GGTCCAATCTGCTCTCAAGGCCTGGCTCTGGTGGATTCCCTCACCAAT
TACTTTAATAAAAATGGCTGCAACTGTAAGAACCCCTGTCTGATATATT
TGCAACTATGCTCCCATTACAAATG

SEQ ID NO. 49

>contig_TCC_42G5_RF.fa
CCTTCCGAAATAACTTCCCTCAGGTGGCAGCACCAAGAAATTTCTGGAAG
CATGTGATGAGTTGTGATGAAGATAGAGCCCATTGTGCTGTCTCTCCA
GGACACGTTGTGGCGTTGAAGAGCAGAAAGCAATGAAGTCCTCTCCA
CGTGGGTCTGTAAACAGCATCTCCTCCAGGTTCTCAGATGACTGTGAA
GAGGCCACTTCAAGGATGCTGGAGAGTCTGACCCACAGTCCCCACG
GTTTGCACCTCTGCAGGCCTGGACAATGATGACCTGGGTTGTCTTCA
GACTGAGGCAGTTGCAGGTTGAATATCTGGAAGATGGTGTACAAAGC
AGCACATCTGGTTTTCTCATCATGCACAGTCCGCAGATTCCCTCCAG
GATGCCATGAGACATGGG

SEQ ID NO. 50

>contig_TCC_44C1_RF.fa
CTCATTGAACCTGAGCTCCGAGTCCTGATTCACATCCAAGCTCTCATCT
TCTCATCAAGAGAGGCCACATCCTTGAGCAGATGGGCAACTGCTGGTA
ACCAGCTTTGAACCTCGTTGACGCTGAGGCTATCCTCCGGCCCTCTG
CCTTGCAAAGGTGAAGAAGGTGGTGACCACGGTCTCAATGGACTCTCTA
GCTCTGTCAGTGGTTCTGCTGCCATTAGGACCCCTGAGGCCAAGCTGATG
TCCTCAAGGGGCTAGCTGACCTTGTCAGGGCTGACCTCTCCTCAGCGGC
AGCAGGGCAGAGTGCTGAACCCAGGACCCACAGATCCTCCCCGCTCTG
TCTCCCGGTGACAAGGGTCTGGAACGGGGCGTCTGACTCCCTGCTCC
AGGACGGGTTTAG

Applicants: Elena Feinstein and Orna Mor
U.S. Serial No.: 09/825,682
Filed: April 4, 2001
Page 11

SEQ ID NO. 51

>contig_TCC_54C11_RF.fa
TTTTTTTTTTTTTTGGTACGGCAGCACTTTATTTTCTTACACA
ATGACGTGTTGCTGGGCCTAATGTTCTCACATAACAGTAGAAAACCAAA
ATTGTTGTCATCTCAAAGAATCGAGAATTGCGTACAAAAAA
AAAAAAA

SEQ ID NO. 52

>contig_TCC_56E11_RF.fa
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GCCTGTTGCTATAGAGCCTACCTGTATGTCAATAAACACAGCTGAAGCA
AAAAAAA

SEQ ID NO. 53

>contig_TCC_57B3_RF.fa
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TATTTATATATTTGGTGTCAATATTAAATACAGACACTAAGTTAT
AGTATATCTGGACAAGCCAACCTGTAAATACACCACCTCACTCCTGTTAC
TTACCTAACAGATATAATGGCTGGTTAGAAAAAAA
A

SEQ ID NO. 54

Blf
>contig_TCC_58A3_RF.fa
GGCTGGAGCAGGAGATTGCCACCTACCGCCGCTGCTGGAGGGAGAGGAT
GCCACCTGACTCAGTACAAGAAAGAACCGGTGACCACCGTCAGGTGCG
TACCATGTTGAAGAGGTCCAGGATGGCAAGGTATCTCCTCCCGCGAGC
AGGTCCACCAAGACCACCCGCTGAGGACTCAGCTACCCGGCCGCCACCC
AGGAGGCAGGGAGGCAGCGCCCCATCTGCCACAGTCTCCGGCTCTC
CAGCCTCAGCCCCCTGCTTCAGTCCCTCCCATGCTTCCTGCCTGATG
ACAATAAGCTTGTGACTCAGCTAA
AAAAAAA

SEQ ID NO. 55

>contig_TCC_70E8_RF.fa
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TGAGTAAAAGAGGAGAGACACCTGGTGAAGACTGGACGCAGGTACGTCT
ACC

SEQ ID NO. 56

>contig_TCC_71E4_RF.fa
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CTGGGCCTGCCGTGCATCCTCCACGCTGGTACTTGTACGTGGAGAGG
AACTCCTGCAATAACTCATCTGGAGGCTGCCGGGCAATAAGAACAG
CTACCGCTCTGAGGAGGCCTGCATGCTCCGCTGCTTCCGCCAGCAGGAGA
ATCCTCCCTGCCCTGGCTCAAAGGTGGTGGTCTGGCGGGGCTGTT
GTGATGGTGTGATCCTCTTGGAGCCTCCATGGTCTACCTGATCCG
GGTGGCAGGAGGAACCAGGAGCGTGCCCTGCGCACCGTCTGGAGCTCCG
GAGATGACAAGGAGCAGCTGGTGAAGAACACATATGTCCTGTGACCGCCC
TGTCGCCAAGAGGACTGGGAAGGGAGGGAGACTATGTGTGAGCTTTTT

Applicants: Elena Feinstein and Orna Mor
U.S. Serial No.: 09/825,682
Filed: April 4, 2001
Page 12

TAAATAGAGGGATTGACTCGGATTTGAGTGATCATTAGGGCTGAGGTCTG
TTCTCTGGGAGGTAGGACGGCTGCTCCTGGCTGGCAGGGATGGGTT
GCTTGGAAATCCTCTAGGAGGCTCCTCGCATGGCCTGCAGTCTGGC
AGCAGCCCCGAGTTGTTCCCTCGCTGATCGATTCTTCCTCCAGGTAGA
GTTTCTTGCTTGTGAATTCCATTGCCTCTTCATCACAGAAG
TGATGTTGGAATCGTTCTTGCTGATTATGGTTTTTAAGT
ATAAACAAAAGTTTTATTAGCATTCTGAAAGAAGGAAAGTAAAATGTA
CAAGTTAATAAAAAGGGGCCTCCCTTAGAATAAATTTCAGCATGTG
CTTCAAAAAAAAAAAAAAA

SEQ ID NO. 57

>contig_TCC_75E3_RF.fa
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GCCTGTGGCGCCGTCTCCAGGGCTGCTTCCTCGAAATTGACGAGGG
GTGTCTTGGCAGAGCTGGCTCTGAGGCCCTCATCCAAGGCCAGGTTCT
CCGTTAGCTCCTGTGCCAACCTGGGCCCTGGCTGGAATCAGGAATA
TTTCCAAAGAGTGATAGTCTTTGCTTTGGCAAAACTCTACTTAATCC
ATGGGTTTCTCTGTACAGTAGATTCCAAATGTAATAACTTAAAT
ATAAGTAAAAAAAAAAAAAA

SEQ ID NO. 58

>contig_TCC_78B11_RF.fa
GGACCGGAACAAGGACCAGGAGGTGAACTTCCAGGAGTATGTCACCTTCC
TGGGGCCTTGGCTTGATCTACAATGAAGCCCTCAAGGGCTGAAAATAA
ATAGGGAAGATGGAGACACCCTCTGGGGCTCTCTGAGTCATCCAG
TGGTGGGTAATTGTACAATAAATTGGTCAAATTAAAAAA
AAAAAA

SEQ ID NO. 59

>contig_TCC_89G3_RF.fa
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GGCCAAGCCAAGAAAGGAAGGGAAAGGACTAGACGCCAAGCCTGGATG
CCAAGGAGCCCTGGTGTACATGGGCCTGGCCACGCCCTCCCTCTCC
CAGGCCGAGATGTGACCCACCAGTGCCTCTGTCTGCTCGTTAGCTTA
ATCAATCATGCCCTGCCTTGTCCCTCACTCCCCAGCCCCACCCCTAAG
TGCCCCAAAGTGGGGAGGGACAAGGGATTCTGGGAAGCTTGAGCCTCCCC
AAAGCAATGTGAGTCCCAGAGCCGTTGTTCTCCCCACAATTCCAT
TACTAAGAAACACATCAAATAACTGACTTTCCCCAAAAAA
AAAAA

SEQ ID NO 60

>contig_TCC_92D7_RF.fa
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TCAACCATTTCATGCTGTTAAGAGCCTATGCAAGAACAGCTTAAGA
CCAGTCAGTGGTTGAAGTC

SEQ ID NO. 61

>contig_TCC_93G5_RF.fa
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CTGACTTGGACAAGGCCCTCAGCCAGAAGACTGACAAAGTCATCCTCC
GTCTACCAAGAGCGTCACCTGTGATCTAAATAAGCTTCATCTCCGGGC
TGTGCCCTGGGGTGGAAAGGGCAGGATTCTGCAGCTGCTTTGCATT

Applicants: Elena Feinstein and Orna Mor
U.S. Serial No.: 09/825,682
Filed: April 4, 2001
Page 13

CTCTTCCTAAATTCATTGTGTTGATTCTTCCTTCCCAATAGGTGATC
TTAATTACTTCAGAAATTTCAAAATAGATATATTAAATCCTTA
CAAAAAAAAAAAAAAA

SEQ ID NO. 62
>contig_TCC_94G3_RF.fa
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CTGAGCCGCTCCCACCCTCCACTCCAGGCCACCCACAATCACA
AGAAGATTCCCACCCCTGCCTCCCATGCCTGGTCCAAGACAGTGAGACA
GTCTGGAAAGTGATGTCAGAATAGCTCCAATAAGCAGCCTCATTCTGA
GGCCTGAGTGAAAAAAAAAAAAAA

SEQ ID NO. 63
>contig_TCC_99G12_RF.fa
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GCTCCTTCAGCCGACCCAGCTCCAGGGCCGTGGTGTGAAGAAGATC
GAGACACGTGATGGGAAGCTGGTGTCTGAGTCCTCTGACGTCCCTGCCAA
GTGAACAGCTGCGGCAGCCCTCCAGCCTACCCCTCTGCGCTGCCCA
GAGCCTGGGAAGGAGGCCGCTATGCAGGGTAGCACTGGGAACAGGAGACC
CACCTGAGGCTCAGCCCTAGCCCTAGCCCACCTGGGAGTTACTACCT
GGGACCCCCCTGCCCATGCCTCCAGCTACAAACAATTCAATTGCTTT
TTTTTTTTGGTCCAAAATAAACCTCAGCTAGCTTGCCAATGTCAAA
AAAAAAAAAAAAAA

Al
The first two sequences are from opposite ends of the same polynucleotide, (and are thus in the same gene) . All the other 21 sequences are contigs.

Marked up versions of new Tables III, IV, and 6 showing the changes made are attached hereto as **Exhibits B, C and D**, respectively.

Applicants maintain that the amendments to Tables III, IV, and 6 were made to introduce the sequence ID numbers and raise no issue of new matter. Accordingly, applicants respectfully request that the Amendment be entered.

Applicants: Elena Feinstein and Orna Mor
U.S. Serial No.: 09/825,682
Filed: April 4, 2001
Page 14

Sequence Listing

The Notice to Comply With Requirements for Patent Applications Containing Nucleotide Sequence And/Or Amino Acid Sequence Disclosures indicates that a copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).

In response, applicants submit as **Exhibit E** hereto a computer readable form (CRF) copy of the "Sequence Listing" as required by 37 C.F.R. §1.825(e) and as **Exhibit F** hereto a courtesy paper copy of the sequence listing. Further, applicants submit herewith a Statement in accordance with 37 C.F.R. §1.821(f) as **Exhibit G**, certifying that the computer readable form containing the nucleic acid and/or amino acid sequences as required by 37 C.F.R. §1.821(e) contains the same information which was submitted as the "Sequence Listing" and contains no new matter.

If a telephone interview would be of assistance in advancing prosecution of the subject application, applicants' undersigned attorney invite the Examiner to telephone him at the number provided below.

Applicants: Elena Feinstein and Orna Mor
U.S. Serial No.: 09/825,682
Filed: April 4, 2001
Page 15

No fee is deemed necessary in connection with the filing of this Communication. If any other fee is required, authorization is hereby given to charge the amount of any such fee to Deposit Account No. 03-3125.

Respectfully submitted,



John P. White
Registration No. 28,678
Attorney for Applicants
Cooper & Dunham LLP
1185 Avenue of the Americas
New York, New York 10036
(212) 278-0400

I hereby certify that this correspondence
is being deposited this date with the U.S.
Postal Service with sufficient postage as
first class mail in an envelope addressed
to: Assistant Commissioner For Patents,
P.O. Box 2327, Arlington, VA 22202, Box:
Sequence

 8/1/02

John P. White	Date
Reg. No. 28,678	

Marked-up Version of the Table III

Additions to the text are indicated by underlining.

TABLE III

SEQ ID NO. 1

>40_TCC_13F11_M13F.fa TIME: Sun Sep 10 11:42:06 2000 trimming
information: raw_sequence:582 (high quality:29-320) sequence:97-252
[length:156]
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TCTTCAGCACCAAACTCATTCTCAGCAGCTGTGGCGGTTAATTCA
TCTTCG

SEQ ID NO. 2

>04_TCC_94G3_M13F.TXT.fa ,constant: 15, poly A: yes
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TCCCACCACTCCACTCCTCCAGCCACCACCCACAATCACAAGAAGATTCCCACCCCTGCC
TCCCATGCCTGGTCCAAGACAGTGAGACAGTCTGAAAGTGTGAGCTGAGAATAGCTTCA
ATAAAGCAGCCTCATTCTGAGGCCTGAGTGAAAAA

SEQ ID NO. 3

>20_TCC_60H4_M13F.TXT.fa ,constant: -1, poly A: no
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GNGAAGGAAGGGACCTTACCCCCGGCTCTCTGACCTGCCAATAAAATTATGGT
CCAAGGNAAAANA

SEQ ID NO. 4

>26_TCC_44C1_M13F.TXT.fa ,constant: -1, poly A: no
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AGANNNTAAGGCTATCCTTCCGGNCCTCCTGCCTGCAAAGGTGAAGAAAGTGGTGNNA
CNGTCNCAATGGANTCCTCTAGCTCTGTCACTGGTTCTGCTGCNATTATGGAACCTGAGG
CCAAAGCTGATGTCCTCAAGGGCTAGCTGACCTTGTCAAGGCTGACCTCTCAGCG
GCAGCAGGGCAGAGTGCTGAACCCAGGAACCCACAGATCCTCCCCGNTCTGTCTCCGG
TGACAAGGGTCTGGAACGGGCGTCTGTGACTCCCTGCTCCAGGACGGTTAAGT

SEQ ID NO. 5

>29_TCC_48G1_M13F.TXT.fa ,constant: -1, poly A: no
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ATGGTCCCAGGCTCCAAAAGTGTGTTGGCAATTATTCCCTAGGCTGAGCCTGCTC
ATGT

SEQ ID NO. 6

>31_TCC_65B9_M13F.TXT.fa ,constant: -1, poly A: yes
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CCCCTGAGCACACTAACCATCTCATGCAGGCCACCTGCCAATAGTAATAAGCAATGT
CACTTTGTTAAAACATGAAAAA

SEQ ID NO. 7

>47_TCC_91B11_M13F.TXT.fa ,constant: -1, poly A: yes
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CCTGCGAGGGTGTCTTCTGGTAGAGGGATGGGAAGGAAGGGACCCCTACCCCCGGCTCT
TCTCCTGACCTGCCAATAAAATTATGGTCCAAGGAAAAA

SEQ_ID_NO. 8

>10_TCC_53H11_T3

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CAAGACTTGTAGTGTGAAACCTGCCTCACAAATACATGTAATAACTNTCTTAAA
AAAANAAAAAAGACAGNCNTNACACCATTCTAATNGNANNACTATTTTGGGCAATGTT
ATGCACCACTTCAATTCCCCATTGTGACCCCTATCACTTCATTGATATCCCTTTNGA
CCCANCCATCTCCTCATATATGGCATGCCATAGATTGACAAGAAAGTTACACTTT
NGAATAAAGATGCAAAGTATGCAAAAACATTAATACTGATGCNAAAAAAANTANAAAAA

SEQ_ID_NO. 9

>07_TCC_57B3_M13F.TXT ,constant: -1, poly A: yes

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TTGTAAATCACCACCTCACTCCTGTACTTACCTAAACAGATATAATGGCTGGTTTAA
GAAAAAA

SEQ_ID_NO. 10

>11_TCC_25F2_M13F.TXT ,constant: -1, poly A: no

ACCTTGGGAGAGAAGTTGAAGAAACCACAGCTGATGGCAGAAAAACTCAGACTGCTGCA
ACTTTACAGATGGTGCATTGNGTCAGCATAGGAGTGGAGATGGGAAGGAAAGCACANTAA
CAAGAAAATTGANAGATGNTAAATTAGTGNNTGGAGTGTGTCATGAACAATGCACCTGT

SEQ_ID_NO. 11

>25_TCC_50G5_M13F.TXT ,constant: 17, poly A: yes

TAGTGTGGAAGCATAGTGAACACACTGATTAGTTATGGTTAATGTTACAACAACATT
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ATACTACCATAGTGAGCCATGATTTCTAAAAAAA

SEQ_ID_NO. 12

>26_TCC_50G6_M13F.TXT ,constant: 17, poly A: yes

TAGTGTGGAAGCATAGTGAACACACTGATTAGTTATGGTTAATGTTACAACAACATT
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ATACTACCATAGTGAGCCATGATTTCTAAAAAAA

SEQ_ID_NO. 13

>26_TCC_75E3_M13F_B04_032.ab1.TXT ,constant: 16, poly A: yes
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TCTGAGCCGCCCTCCATCCAAGGCCAGGTTCTCGTTAGCTCCTGTGGCCCCACCCCTGG
CCCTGGGCTGGAATCAGGAATATTTCAAAGAGTGATAGTCTTTGCTTTGGCAAA
ACTCTACTTAATCCAATGGTTTCTGTACAGTAGATTTCAAATGTAATAAAACTT
TAATATAAAGTAAAAAAA

SEQ_ID_NO. 14

>30_TCC_76B3_M13F_F04_042.ab1.TXT ,constant: 16, poly A: yes
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TAAATTCATTGTGTTGATTTCTTCCTTCCAAATAGGTGATCTAATTACTTCAGAAT
ATTTCAAAATAGATATTTTAAATCCTTAAAAAAA

SEQ ID NO. 15

>38_TCC_56E11_M13F.TXT ,constant: -1, poly A: yes
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CTCCACCTCATTTCCCCCACTACTGCAGCACCTCCAGGCCTGTTGCTATAGAGCCTA
CCTGATGTCAATAAACAAACAGCTGAAGCAAAAAAAA

SEQ ID NO. 16

>46_TCC_78B11_M13F_F06_058.ab1.TXT ,constant: 16, poly A: yes
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CTCGCCACCCCAAATTCCATGTCAATTAAAGAACAGCTAAATTCAAAAAAAA

SEQ ID NO. 17

>53_TCC_79G2_M13F_E07_054.ab1.TXT ,constant: 16, poly A: no
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CACTGCCCTACTGTTGGTATGACTACCGTTACCTACTGTTGTCATTGTTATTACAGCTAT
GCCCACTATTATTAAAGAGCTGTGTAACATCAAAAAAA

SEQ ID NO. 18

>82_TCC_89G3_M13F_B11_092.ab1.TXT ,constant: 16, poly A: yes
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CATGGGGCCTGGCCCACGCCCTCCCTCCAGGCCAGATGTGACCCACCAGTGCCTT
CTGTCGCTCGTTAGCTTAATCAATCATGCCCTGCCTTGTCCCTCTCACTCCCCAGGCC
CACCCCTAAGTGCCAAAGTGGGGAGGGACAAGGGATTCTGGGAAGCTTGGAGCCTCCCC
AAAGCAATGTGAGTCCCAGGCCGCTTTGTTCTCCCCACAATTCCATTACTAAGAAA
CACATCAAATAAACTGACTTTCCCCCAAAAAAAA

SEQ ID NO. 19

>35_TCC_21D6_M13F_C05_037.ab1.fa TIME: Wed Aug 9 12:48:31 2000
trimming information: raw_sequence:889 (high quality:34-340)
sequence:95-456 [length:362]
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TTCCGCCAGCAGGAGAACCTCCCTGCCCTTGGCTCAAAGGTGGTGCT
TCTGGCGGGGCTGTTGATGGTGGTGAACCTCTTCCCTGGGAGCCTCCA
TGGTCTACCTGATCCGGGTGGCACGGAGGAACCAGGAGCGTGCCCTGCC
ACCGTCTGGAGCTCCGNAGATGACAAGGAGCAGCTGGTGAAGAACACATA
TGTCCGTGACCGCCCTGTCGCAAGAGGACTGGNGAAAGGGAGGGAGA
CTATGTGTGAGC

SEQ ID NO. 20

>46_TCC_27H5_M13F_F06_058.ab1.fa TIME: Wed Aug 9 12:48:35 2000
trimming information: raw_sequence:892 (high quality:169-406)
sequence:170-287 [length:118]
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TCTTACAGTCTGGATCTGGATCTACCTATACAGTCCTACATTAGCTTCTA
AAATATTGTCAGGAGGG